

4D12
0014

a biologically active compound moiety having a molecular weight of not more than 5,000, the moiety being covalently bonded to the polymer substrate and exerting selective biological activity, wherein the biologically active compound moiety exerts the selective biological activity while being covalently bonded to the polymer substrate.

Please add new claims 30 and 31 as follows:

30. (New) The biologically active polymer product according to claim 1, wherein said graft polymer is produced by irradiating a polymer substrate with radiation and then exposing the substrate to a graft-forming monomer in a gas-phase state.

4D13

31. (New) A method for producing a biologically active polymer product which comprises: irradiating a polymer substrate with radiation so as to provide an active site for graft formation;

exposing the irradiated substrate to a graft-forming monomer in a gas-phase state to form a graft chain; and

covalently bonding a biologically active compound moiety to the polymer substrate through the graft chain.